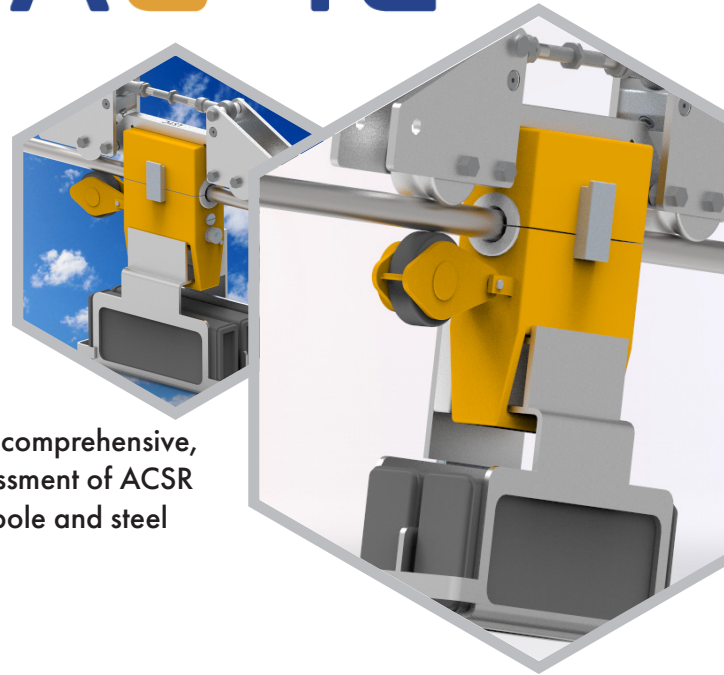













LSTC
GROUP

LINE INSPECTION BY **MAG-IC®**








The LSTC MAG-IC® offers comprehensive, fast and non-intrusive assessment of ACSR conductors on both wood pole and steel tower overhead lines.

KEY BENEFITS:

-  Non-intrusive
-  Fast and accurate reporting
-  Allows for fault identification and pre-emptive maintenance
-  Live data capture for immediate review
-  Lightweight, compact and portable
-  Safe and reliable
-  Single set off/recovery structure required
-  Precise measurement of defects and loss of metallic area
-  Nationwide support and coverage

USES:

-  Asset surveys
-  End of life assessments
-  Health and safety appraisals
-  Majority of ACSR conductor constructions (11kV to 132kV)
-  6mm-24mm diameter capacity

info@lstc.co.uk

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www.lstc.co.uk

HOW IT WORKS:

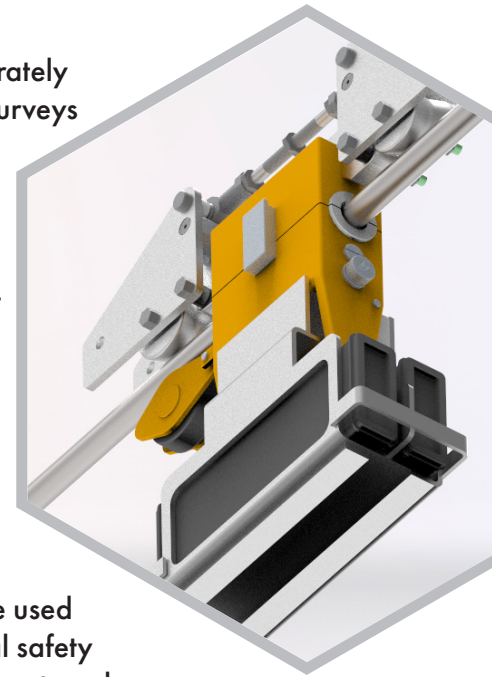
MAG-IC® operates using magnetic flux leakage technology to quickly and accurately detect subsurface anomalies within the steel core of ACSR conductors. Detailed surveys can be completed for both wood pole and overhead tower lines, providing precise measurements of loss of metallic area (LMA) and identification of defects.

Incorporating powerful magnets to saturate the conductor for proper performance, MAG-IC® identifies these anomalies as they are unable to support the same magnetic charge as sound areas of the conductor.

The magnetic head unit simultaneously measures loss of metallic area caused by corrosion, abrasion or wear and reveals local flaws, such as broken strands, pitting corrosion, cross nicking etc.

This allows an accurate strength assessment to be calculated, which in turn can be used to predict the useful remaining working life of the conductors. Furthermore, critical safety assessments can be undertaken quickly and easily ahead of scheduled refurbishment works.

The measuring unit is unaffected by the number of aluminium strands and level (or otherwise) of galvanising remaining on the steel core.



For more information on MAG-IC®:



the asset inspection area of our website at www.lstc.co.uk



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BELIEVE IN

MAG-IC®



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Engineering a brighter future for people and planet